

09803848_CLS

Most Frequently Occurring Classifications of Patents Returned

From A Search of 09803848 on July 06, 2004

Original Classifications

27	358/1.15
13	382/245
9	358/403
8	358/434
7	358/442
6	358/468
6	379/100.08
5	358/400
4	358/1.13
4	358/402
4	358/440
4	358/444
4	382/175
4	382/232
4	709/206
3	358/1.16
3	358/296
3	358/404
3	358/407
3	358/426.07
3	358/426.08
3	358/435
3	358/451
3	709/246
2	341/63
2	345/173
2	345/670
2	358/1.18
2	358/1.9
2	358/426.13
2	358/448
2	358/508

09803848_CLS

2 369/14
2 370/352
2 379/100.01
2 379/100.06
2 379/100.13
2 382/234
2 382/235
2 382/246
2 382/266
2 382/317
2 396/332
2 399/75
2 707/10
2 707/101
2 709/200
2 709/236

Cross-Reference Classifications

31 358/402
31 358/468
23 358/442
20 358/1.9
15 358/444
12 358/403
12 358/404
12 358/407
12 358/434
12 379/100.01
11 379/100.08
10 358/400
10 358/440
9 358/462
8 358/1.15
8 358/438
8 358/443
7 358/437
7 382/232
6 358/405

6 358/447
6 382/317
5 358/1.1
5 358/1.13
5 358/435
5 358/448
5 379/100.13
5 709/206
4 358/1.17
4 358/426.04
4 358/450
4 358/539
4 379/100.09
4 380/243
4 382/246
3 358/1.16
3 358/1.2
3 358/296
3 358/426.12
3 358/426.13
3 358/445
3 358/451
3 358/453
3 358/463
3 358/464
3 358/500
3 379/100.12
3 379/908
3 382/239
3 382/245
3 709/200
3 709/232
2 128/904
2 235/462.09
2 340/7.56
2 341/63
2 348/409.1
2 358/1.11

09803848_CLS

2 358/1.14
2 358/1.18
2 358/3.15
2 358/401
2 358/406
2 358/426.01
2 358/436
2 358/439
2 358/449
2 358/474
2 358/524
2 370/401
2 370/477
2 375/240.24
2 379/100.06
2 379/100.14
2 379/100.15
2 379/100.17
2 379/88.13
2 379/88.24
2 379/93.01
2 379/93.03
2 379/93.15
2 379/93.24
2 380/216
2 380/259
2 382/166
2 382/173
2 382/235
2 382/244
2 382/284
2 382/311
2 396/315
2 399/127
2 399/71
2 707/10
2 707/104.1
2 709/217

09803848_CLS

2 709/224
2 709/227
2 709/228
2 709/238
2 709/241
2 715/523

Combined Classifications

37 358/468
35 358/1.15
35 358/402
30 358/442
22 358/1.9
21 358/403
20 358/434
19 358/444
17 379/100.08
16 382/245
15 358/400
15 358/404
15 358/407
14 358/440
14 379/100.01
11 382/232
10 358/462
9 358/1.13
9 358/438
9 358/443
9 709/206
8 358/435
8 358/437
8 382/317
7 358/405
7 358/448
7 379/100.13
6 358/1.16
6 358/296
6 358/447

09803848_CLS

6 358/451
6 382/246
5 358/1.1
5 358/426.04
5 358/426.13
5 380/243
5 382/175
5 709/200
4 341/63
4 358/1.17
4 358/1.18
4 358/426.12
4 358/450
4 358/500
4 358/539
4 379/100.06
4 379/100.09
4 382/235
4 707/10
4 709/246
3 358/1.14
3 358/1.2
3 358/406
3 358/426.07
3 358/426.08
3 358/436
3 358/445
3 358/449
3 358/453
3 358/463
3 358/464
3 375/240.24
3 379/100.12
3 379/100.14
3 379/88.13
3 379/908
3 379/93.15
3 382/166

09803848_CLS

3 382/239
3 707/101
3 707/104.1
3 709/232
3 709/236
3 709/238
3 715/523
2 128/904
2 235/375
2 235/436
2 235/462.09
2 340/7.56
2 341/67
2 345/173
2 345/670
2 348/409.1
2 358/1.11
2 358/1.6
2 358/3.15
2 358/401
2 358/409
2 358/425
2 358/426.01
2 358/439
2 358/452
2 358/474
2 358/475
2 358/508
2 358/524
2 369/14
2 370/352
2 370/401
2 370/477
2 379/100.15
2 379/100.17
2 379/88.24
2 379/93.01
2 379/93.03

09803848_CLS

2 379/93.24
2 379/93.26
2 380/216
2 380/259
2 380/28
2 382/173
2 382/176
2 382/181
2 382/224
2 382/233
2 382/234
2 382/237
2 382/244
2 382/266
2 382/270
2 382/284
2 382/309
2 382/311
2 396/315
2 396/332
2 399/127
2 399/45
2 399/71
2 399/75
2 399/8
2 709/217
2 709/224
2 709/227
2 709/228
2 709/234
2 709/241
2 713/153
2 715/513

09803848_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09803848 on July 06, 2004

37 358/468 (6 OR, 31 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/443 .Specific signal processing circuitry
y 358/468 ..Facsimile control unit

35 358/1.15 (27 OR, 8 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
, PROCESSING DATA FOR PRINTER, ETC
.)

358/1.15 .Communication

35 358/402 (4 OR, 31 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/402 .Electronic mailbox

30 358/442 (7 OR, 23 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/442 .Facsimile system interface

09803848_CLSTITLES

22 358/1.9 (2 OR, 20 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
 ,
 PROCESSING DATA FOR PRINTER, ETC
 .)

358/1.9 .Attribute control

21 358/403 (9 OR, 12 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/403 .Document filing and retrieval syste
 m

20 358/434 (8 OR, 12 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/434 .Auxiliary signal

19 358/444 (4 OR, 15 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/443 .Specific signal processing circuitr
 y

358/444 ..Memory interface

17 379/100.08 (6 OR, 11 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI
 TH DIVERSE

09803848_CLSTITLES

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 .To produce visual-graphic copy (e.g

..

facsimile)

379/100.08 ..Electronic mailbox

16 382/245 (13 OR, 3 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/244 .Lossless compression

382/245 ..Run-length coding

15 358/400 (5 OR, 10 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION

PROCESSING

358/400 FACSIMILE

15 358/404 (3 OR, 12 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION

PROCESSING

358/400 FACSIMILE

358/404 .Facsimile memory monitoring

15 358/407 (3 OR, 12 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION

PROCESSING

358/400 FACSIMILE

358/407 .Facsimile relay system

14 358/440 (4 OR, 10 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION

PROCESSING

358/400 FACSIMILE

09803848_CLSTITLES

358/434 .Auxiliary signal
 358/440 ..Telephone number or address of designator

14 379/100.01 (2 OR, 12 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
 ELECTRICAL SYSTEM OR SIGNALLING
 (E.G., COMPOSITE)
 379/100.01 .To produce visual-graphic copy (e.g
 , ,
 facsimile)

11 382/232 (4 OR, 7 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING

10 358/462 (1 OR, 9 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/443 .Specific signal processing circuitry
 Y
 358/448 ..Image processing
 358/462 ...Text and image detection and processing
 essing

9 358/1.13 (4 OR, 5 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
 ,
 PROCESSING DATA FOR PRINTER, ETC
 .)
 358/1.13 .Emulation or plural modes

09803848_CLSTITLES

9 358/438 (1 OR, 8 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/434 .Auxiliary signal
 358/438 ..Transmitter supplies auxiliary sig
 nal(s)

9 358/443 (1 OR, 8 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/443 .Specific signal processing circuitr
 y

9 709/206 (4 OR, 5 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR
 OCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PRO
 CESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/204 .Computer conferencing
 709/206 ..Demand based messaging

8 358/435 (3 OR, 5 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/434 .Auxiliary signal
 358/435 ..Transmitter and receiver both supp
 ly
 auxiliary signal(s)

8 358/437 (1 OR, 7 XR)

09803848_CLSTITLES

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/434 .Auxiliary signal
358/437 ..Interruption detection and control

8 382/317 (2 OR, 6 XR)

Class 382 : IMAGE ANALYSIS

382/312 IMAGE SENSING

382/317 .Sensor control (e.g., OCR sheet con
trols
copier or fax)

7 358/405 (1 OR, 6 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/405 .Image transmission accuracy verific
ation

7 358/448 (2 OR, 5 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/443 .Specific signal processing circuitr
y
358/448 ..Image processing

7 379/100.13 (2 OR, 5 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI
TH DIVERSE
ELECTRICAL SYSTEM OR SIGNALLING
(E.G., COMPOSITE)

09803848_CLSTITLES

379/100.01 .To produce visual-graphic copy (e.g

facsimile)

379/100.13 ..Format conversion

6 358/1.16 (3 OR, 3 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.

PROCESSING DATA FOR PRINTER, ETC

358/1.16 .Memory

6 358/296 (3 OR, 3 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/296 .Recording apparatus

6 358/447 (0 OR, 6 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/443 .Specific signal processing circuitr

358/447 ..Signal enhancing

6 358/451 (3 OR, 3 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/443 .Specific signal processing circuitr

09803848_CLSTITLES

358/448 ..Image processing
358/451 ...Picture size conversion

6 382/246 (2 OR, 4 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/244 .Lossless compression

382/246 ..Huffman or variable-length coding

5 358/1.1 (0 OR, 5 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.

PROCESSING DATA FOR PRINTER, ETC.

5 358/426.04 (1 OR, 4 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/426.01 .Reduced time or bandwidth for static image
communication

358/426.02 ..Condition based selection or control of image

coding technique or communication arrangement

358/426.04 ...Processing or analysis of an undecoded or
decoded image

5 358/426.13 (2 OR, 3 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

09803848_CLSTITLES

358/400 FACSIMILE
 358/426.01 .Reduced time or bandwidth for static image
 communication
 358/426.13 ..Combined with lossless coding technique
 (e.g., fixed or variable run-length coding)

5 380/243 (1 OR, 4 XR)
 Class 380 : CRYPTOGRAPHY
 380/243 FACSIMILE CRYPTOGRAPHY
 5 382/175 (4 OR, 1 XR)
 Class 382 : IMAGE ANALYSIS
 382/173 IMAGE SEGMENTATION
 382/175 .Separating document regions using preprinted
 guides or markings

5 709/200 (2 OR, 3 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING

4 341/63 (2 OR, 2 XR)
 Class 341 : CODED DATA GENERATION OR CONVERSION
 341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS
 341/63 .To or from bit count codes

4 358/1.17 (0 OR, 4 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

09803848_CLSTITLES

358/1.1 STATIC PRESENTATION PROCESSING (E.G.

PROCESSING DATA FOR PRINTER, ET
C.)

358/1.16 .Memory

358/1.17 ..Page or frame memory

4 358/1.18 (2 OR, 2 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.

PROCESSING DATA FOR PRINTER, ETC
.)

358/1.18 .Detail of image placement or conten

t

4 358/426.12 (1 OR, 3 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/426.01 .Reduced time or bandwidth for stati
c image

communication

358/426.12 ..Auxiliary information transmitted

(e.g.,

required to perform or identify d
ecoding technique)

4 358/450 (0 OR, 4 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE

358/443 .Specific signal processing circuitr

y

09803848_CLSTITLES

358/448 ..Image processing
 358/450 ...Plural images combined into a single image

4 358/500 (1 OR, 3 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/500 NATURAL COLOR FACSIMILE

4 358/539 (0 OR, 4 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/500 NATURAL COLOR FACSIMILE

358/530 .Specific image-processing circuitry

358/539 ..Image coding (encoder/decoder)

4 379/100.06 (2 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 .To produce visual-graphic copy (e.g

..

facsimile)

379/100.06 ..Communication status notification

4 379/100.09 (0 OR, 4 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 .To produce visual-graphic copy (e.g

• /

379/100.09 ..Relay system

Class 382 : IMAGE ANALYSIS

382/235 .Substantial processing of image in

form

**Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES**

707/10 .Distributed or remote access

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR

CESS COORDINATING

709/246 .Computer-to-computer data modifying

Class 358 : FACSIMILE AND STATIC PRESENTATION

358/1.1 **STATIC PRESENTATION PROCESSING (E.G.**

.)

, or print

Page 12

09803848_CLSTITLES

3 358/1.2 (0 OR, 3 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
 ,
 PROCESSING DATA FOR PRINTER, ETC
 .)

358/1.2 .Size, resolution, or scale control

3 358/406 (1 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/406 .Facsimile measuring, testing, or ca
 librating

3 358/426.07 (3 OR, 0 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE
 358/426.01 .Reduced time or bandwidth for stati
 c image
 communication
 358/426.02 ..Condition based selection or contr
 ol of image
 coding technique or communicatio
 n arrangement
 358/426.07 ...Coding or decoding rate

3 358/426.08 (3 OR, 0 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING

358/400 FACSIMILE

09803848_CLSTITLES

358/426.01 .Reduced time or bandwidth for static image
communication
358/426.02 ..Condition based selection or control of image
coding technique or communication arrangement
358/426.08 ...Bandwidth or property of a communication
medium

3 358/436 (1 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
358/400 FACSIMILE
358/434 .Auxiliary signal
358/435 ..Transmitter and receiver both supplied
auxiliary signal(s)
358/436 ...Auxiliary signal controls apparatus at both
transmitter and receiver

3 358/445 (0 OR, 3 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
358/400 FACSIMILE
358/443 .Specific signal processing circuitry
358/445 ..Signal sampling and conversion

3 358/449 (1 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
358/400 FACSIMILE

09803848_CLSTITLES

	358/443	.Specific signal processing circuitr
Y		
	358/448	..Image processing
	358/449	...Document size detection
3	358/453	(0 OR, 3 XR)
	Class 358 :	FACSIMILE AND STATIC PRESENTATION
PROCESSING		
	358/400	FACSIMILE
	358/443	.Specific signal processing circuitr
Y		
	358/448	..Image processing
	358/453	...Image portion selection
3	358/463	(0 OR, 3 XR)
	Class 358 :	FACSIMILE AND STATIC PRESENTATION
PROCESSING		
	358/400	FACSIMILE
	358/443	.Specific signal processing circuitr
Y		
	358/448	..Image processing
	358/463	...Noise elimination
3	358/464	(0 OR, 3 XR)
	Class 358 :	FACSIMILE AND STATIC PRESENTATION
PROCESSING		
	358/400	FACSIMILE
	358/443	.Specific signal processing circuitr
Y		
	358/448	..Image processing
	358/464	...To distinguish intelligence from
background		
3	375/240.24	(1 OR, 2 XR)

09803848_CLSTITLES

Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/240 BANDWIDTH REDUCTION OR EXPANSION
375/240.01 .Television or motion video signal
375/240.24 ..Block coding

3 379/100.12 (0 OR, 3 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI

TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 .To produce visual-graphic copy (e.g

..

facsimile)

379/100.12 ..Connection to plural networks or 1

ines

3 379/100.14 (1 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI

TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 .To produce visual-graphic copy (e.g

..

facsimile)

379/100.14 ..Call signal generation (e.g., auto

-dial)

3 379/88.13 (1 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR

SYNTHESIS

379/88.13 .Multimedia system (e.g., voice outp

ut combined

with fax, video, text, etc.)

09803848_CLSTITLES

3 379/908 (0 OR, 3 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/908 MULTIMEDIA

3 379/93.15 (1 OR, 2 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
 379/93.01 .Having transmission of a digital message

signal over a telephone line
 379/93.14 ..Having switching station
 379/93.15 ...Having format conversion

3 382/166 (1 OR, 2 XR)
 Class 382 : IMAGE ANALYSIS
 382/162 COLOR IMAGE PROCESSING
 382/166 .Compression of color images

3 382/239 (0 OR, 3 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING
 382/239 .Adaptive coding (i.e., changes based upon history, activity, business, etc.)

3 707/101 (2 OR, 1 XR)
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
 707/100 DATABASE SCHEMA OR DATA STRUCTURE
 707/101 .Manipulating data structure (e.g., compression, compaction, compilation)

3 707/104.1 (1 OR, 2 XR)

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Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/104.1 .Application of database or data str

ucture

(e.g., distributed, multimedia, i

mage)

3 709/232 (0 OR, 3 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING

SYSTEMS: MULTIPLE COMPUTER OR PRO

CESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/230 .Computer-to-computer protocol imple

menting

709/232 ..Computer-to-computer data transfer

regulating

3 709/236 (2 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING

SYSTEMS: MULTIPLE COMPUTER OR PRO

CESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/230 .Computer-to-computer protocol imple

menting

709/236 ..Computer-to-computer data framing

3 709/238 (1 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING

SYSTEMS: MULTIPLE COMPUTER OR PRO

CESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/238 .Computer-to-computer data routing

09803848_CLSTITLES

3 715/523 (1 OR, 2 XR)
 Class 715 : DATA PROCESSING: PRESENTATION PROC
 ESSING OF
 DOCUMENT
 715/517 LAYOUT
 715/523 .Format transformation

2 128/904 (0 OR, 2 XR)
 Class 128 : SURGERY
 128/904 TELEPHONE TELEMETRY

2 235/375 (1 OR, 1 XR)
 Class 235 : REGISTERS
 235/375 SYSTEMS CONTROLLED BY DATA BEARING R
 ECORDS

2 235/436 (1 OR, 1 XR)
 Class 235 : REGISTERS
 235/435 CODED RECORD SENSORS
 235/436 .Readout control

2 235/462.09 (0 OR, 2 XR)
 Class 235 : REGISTERS
 235/435 CODED RECORD SENSORS
 235/439 .Particular sensor structure
 235/454 ..Optical
 235/462.01 ...Bar code
 235/462.08Bar code location or selection
 235/462.092-D bar code

2 340/7.56 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.36 .Having indication or alarm (e.g., 1
 ocation
 indication)
 340/7.2 ..Code responsive (i.e., paging)
 340/7.51 ...Message presentation

09803848_CLSTITLES

340/7.55Display
 340/7.56Including graphics

2 341/67 (1 OR, 1 XR)

Class 341 : CODED DATA GENERATION OR CONVERSION

341/50 DIGITAL CODE TO DIGITAL CODE CONVERT

ERS

341/67 .To or from variable length codes

2 345/173 (2 OR, 0 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERA

TOR

INTERFACE PROCESSING, AND SELECTIV

E VISUAL DISPLAY

SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT D

EVIC

345/173 .Touch panel

2 345/670 (2 OR, 0 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERA

TOR

INTERFACE PROCESSING, AND SELECTIV

E VISUAL DISPLAY

SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object proces

sing or

display attributes)

345/660 ..Scaling

345/667 ...Image based (addressing)

345/670Reduction only

2 348/409.1 (0 OR, 2 XR)

Class 348 : TELEVISION

348/384.1 BANDWIDTH REDUCTION SYSTEM

348/390.1 .Data rate reduction

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348/409.1 ..Involving difference transmission
(e.g., predictive)

2 358/1.11 (0 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
,
PROCESSING DATA FOR PRINTER, ETC
.)

358/1.11 .Character or font

2 358/1.6 (1 OR, 1 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
,
PROCESSING DATA FOR PRINTER, ETC
.)

358/1.6 .Specific to image source

2 358/3.15 (0 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/1.1 STATIC PRESENTATION PROCESSING (E.G.
,
PROCESSING DATA FOR PRINTER
, ETC.)

358/1.9 .Attribute control
358/3.01 ..Multi-level image reproduction (e.
g., gray
level reproduction)

358/3.06 ...Halftoning (e.g., a pattern of pr
int

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elements used to represent a g
ray level)
358/3.13Dithering (e.g., spatial distrib
ution of
print elements by threshold mat
rix)
358/3.14Adaptive dithering
358/3.15Edge adaptive

2 358/401 (0 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/401 .Image reproduction system

2 358/409 (1 OR, 1 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/409 .Synchronization

2 358/425 (1 OR, 1 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/425 .Multiplex

2 358/426.01 (0 OR, 2 XR)
Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/400 FACSIMILE
358/426.01 .Reduced time or bandwidth for stati
c image
communication

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2 358/439 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/434 .Auxiliary signal
 358/439 ..Receiver supplies auxiliary signal

(s)

2 358/452 (1 OR, 1 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/443 .Specific signal processing circuitr
 Y 358/448 ..Image processing
 358/452 ...Image editing

2 358/474 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/471 .Picture signal generator
 358/474 ..Scanning

2 358/475 (1 OR, 1 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION
 PROCESSING
 358/400 FACSIMILE
 358/471 .Picture signal generator
 358/474 ..Scanning
 358/475 ...Facsimile illumination control

2 358/508 (2 OR, 0 XR)

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Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/500 NATURAL COLOR FACSIMILE
358/505 .Scanning
358/508 ..Transceiver

2 358/524 (0 OR, 2 XR)

Class 358 : FACSIMILE AND STATIC PRESENTATION
PROCESSING

358/500 NATURAL COLOR FACSIMILE
358/524 .Intermediate storage

2 369/14 (2 OR, 0 XR)

Class 369 : DYNAMIC INFORMATION STORAGE OR RETR

IEVAL

369/14 SIMULTANEOUS DIVERSE TYPES OF STORAG

E OR

RETRIEVAL

2 370/352 (2 OR, 0 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/352 .Combined circuit switching and pack

et

switching

2 370/401 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/389 .Switching a message which includes

an address

header

370/400 ..Having a plurality of nodes perfor

ming

distributed switching

370/401 ...Bridge or gateway between network

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s

2 370/477 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/473 ..Transmission of a single message h

aving

multiple packets

370/477 ..Transmission bandwidth conservation

2 379/100.15 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI

TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 ..To produce visual-graphic copy (e.g

..

facsimile)

379/100.15 ..Having switching to other communic

ation modes

2 379/100.17 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI

TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/100.01 ..To produce visual-graphic copy (e.g

..

facsimile)

379/100.17 ..Transmission scheme

2 379/88.24 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR

SYNTHESIS

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379/88.22 .Message management
379/88.23 ..Controlled by subscriber or caller

379/88.24 ...By generated tone

2 379/93.01 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI
TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING
(E.G., COMPOSITE)
379/93.01 .Having transmission of a digital me
ssage
signal over a telephone line

2 379/93.03 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI
TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLIN
G (E.G., COMPOSITE)
379/93.01 .Having transmission of a digital me
ssage
signal over a telephone line
379/93.02 ..Access restricting
379/93.03 ...Personal identification

2 379/93.24 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WI
TH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLIN
G (E.G., COMPOSITE)
379/93.01 .Having transmission of a digital me
ssage
signal over a telephone line
379/93.17 ..Having station display

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379/93.24 ...Having electronic mail

2 379/93.26 (1 OR, 1 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

ELECTRICAL SYSTEM OR SIGNALLING

(E.G., COMPOSITE)

379/93.01 .Having transmission of a digital message

signal over a telephone line

379/93.26 ..By voice frequency signal (e.g., tone code)

2 380/216 (0 OR, 2 XR)

Class 380 : CRYPTOGRAPHY

380/200 VIDEO CRYPTOGRAPHY

380/210 .Video electric signal modification (e.g.,

scrambling)

380/216 ..Image data converted to digital before

modification

2 380/259 (0 OR, 2 XR)

Class 380 : CRYPTOGRAPHY

380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY

380/259 .Symmetric key cryptography

2 380/28 (1 OR, 1 XR)

Class 380 : CRYPTOGRAPHY

380/28 PARTICULAR ALGORITHMIC FUNCTION ENCODING

2 382/173 (0 OR, 2 XR)

Class 382 : IMAGE ANALYSIS

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382/173 IMAGE SEGMENTATION

2 382/176 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS

382/173 IMAGE SEGMENTATION

382/176 .Distinguishing text from other regi

ons

2 382/181 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS

382/181 PATTERN RECOGNITION

2 382/224 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS

382/181 PATTERN RECOGNITION

382/224 .Classification

2 382/233 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/233 .Including details of decompression

2 382/234 (2 OR, 0 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/234 .Parallel coding architecture

2 382/237 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/237 .Gray level to binary coding

2 382/244 (0 OR, 2 XR)

Class 382 : IMAGE ANALYSIS

382/232 IMAGE COMPRESSION OR CODING

382/244 .Lossless compression

2 382/266 (2 OR, 0 XR)

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Class 382 : IMAGE ANALYSIS
 382/254 IMAGE ENHANCEMENT OR RESTORATION
 382/266 .Edge or contour enhancement

2 382/270 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS
 382/254 IMAGE ENHANCEMENT OR RESTORATION
 382/270 .Variable threshold, gain, or slice

level

2 382/284 (0 OR, 2 XR)

Class 382 : IMAGE ANALYSIS
 382/276 IMAGE TRANSFORMATION OR PREPROCESSIN

G

382/284 .Combining image portions (e.g., por
 tions of oversized documents)

2 382/309 (1 OR, 1 XR)

Class 382 : IMAGE ANALYSIS
 382/309 EDITING, ERROR CHECKING, OR CORRECTI

ON (E.G.,

POSTRECOGNITION PROCESSING)

2 382/311 (0 OR, 2 XR)

Class 382 : IMAGE ANALYSIS
 382/309 EDITING, ERROR CHECKING, OR CORRECTI

ON (E.G.,

POSTRECOGNITION PROCESSING)

382/311 .Including operator interaction

2 396/315 (0 OR, 2 XR)

Class 396 : PHOTOGRAPHY
 396/310 WITH DATA RECORDING
 396/315 .Optical

2 396/332 (2 OR, 0 XR)

Class 396 : PHOTOGRAPHY

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	396/322	PLURAL IMAGE RECORDING
stinct	396/332	.Simultaneous recording of plural di
		subjects
2	399/127	(0 OR, 2 XR)
	Class 399 :	ELECTROPHOTOGRAPHY
CESS	399/127	SUPPLEMENTAL ELECTROPHOTOGRAPHIC PRO
2	399/45	(1 OR, 1 XR)
	Class 399 :	ELECTROPHOTOGRAPHY
S	399/38	CONTROL OF ELECTROPHOTOGRAPHY PROCES
stic	399/45	.Responsive to copy media characteri
2	399/71	(0 OR, 2 XR)
	Class 399 :	ELECTROPHOTOGRAPHY
S	399/38	CONTROL OF ELECTROPHOTOGRAPHY PROCES
	399/71	.Control of cleaning
2	399/75	(2 OR, 0 XR)
	Class 399 :	ELECTROPHOTOGRAPHY
	399/75	MACHINE OPERATION
2	399/8	(1 OR, 1 XR)
	Class 399 :	ELECTROPHOTOGRAPHY
	399/8	REMOTE MONITORING
2	709/217	(0 OR, 2 XR)
	Class 709 :	ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING		
		SYSTEMS: MULTIPLE COMPUTER OR PRO
CESS	COORDINATING	
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/217	.Remote data accessing

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2 709/224 (0 OR, 2 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/223 .Computer network managing
 709/224 ..Computer network monitoring

2 709/227 (0 OR, 2 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/227 .Computer-to-computer session/connection
 establishing

2 709/228 (0 OR, 2 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/227 .Computer-to-computer session/connection
 establishing
 709/228 ..Session/connection parameter setting

2 709/234 (1 OR, 1 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING

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709/230 .Computer-to-computer protocol imple
menting
709/232 ..Computer-to-computer data transfer
regulating
709/234 ...Data flow compensating

2 709/241 (0 OR, 2 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING
CESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/238 .Computer-to-computer data routing
709/241 ..Least weight routing

2 713/153 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PR
OCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USIN
G
CRYPTOGRAPHY
713/153 .Particular node (e.g., gateway, bri
dge,
router, etc.) for directing data
and applying cryptography

2 715/513 (1 OR, 1 XR)
Class 715 : DATA PROCESSING: PRESENTATION PROC
ESSING OF
DOCUMENT
715/513 STRUCTURED DOCUMENT (E.G., HTML, SGM
L, ODA,
CDA)